

TE-PUFPLUS Hi-Vol PAH Air Sample Data Form

Sample Information

Full Site Name: Burns Harbor - Port

Site Abbreviation BHP-A-5

Deployment No. 5

Field Deployment and Recovery

Field Deployment Technician Name Scott Keller Setup Date/Time 4/29/21 1300 ^{EST}

Sample Run Date 4/30/21 Flow Conditions should be STD. Flow Rate should be 225 liters/min.

Once all necessary fields in Timer screen have been set, 3 things should happen:

- ☒ Green power light should start to blink;
- ☒ Timer countdown should start indicating when sampling run will commence;
- ☒ Status on main screen should change to "Waiting".

Field Recovery Technician Name Scott Keller Recovery Date/Time 5/3/21 8:00

Q _{Std} Avg Flow (liters/min)	<u>222</u>	Actual Start Date/Time	<u>4/30/21 0100</u>
CV	<u>0.63</u>	Actual Stop Date/Time	<u>5/1/21 0100</u>
Q _{Std} Volume (m ³)	<u>319.62</u>	T _{amb} Avg (°C)	<u>7.9</u>
Elapsed Time (HH:MM)	<u>24:00</u>	P _{amb} Avg (mmHg)	<u>747</u>
Flags? Expected flags: Completed, Q _{Std}		No unexpected flags [KMH 5/20/21]	

Sample Status: VALID VOID (circle one) VOID Reason: _____

Site Observations

Run Day Temperatures: High 54 Low 36 Source: Weather Channel

Run Day Precipitation: 0

Run Day Wind/Wind Direction: NNW 15

Run Day Sky Cover: pt. Sunny

Unusual Events? (fires, major storms, construction, etc.): _____ ost

Maintenance

Check all that apply.

All weekly checks performed by Scott Keller [KMH 6/7/21]

Weekly Checks:

- ☐ Power cords/plugs ok?
- ☐ Gaskets ok?
- ☐ Shelter ok?
- ☐ Tubing ok?
- ☐ Timer ok?
- ☐ Debris removed?

Monthly Checks: (after 5th sample run of the month)

- ☐ Sampling head cleaned with Kim wipes?
- ☐ Pictures of site logbook taken?
- ☐ Completed TE-PUFPLUS One-Point Flow Check Form?
- ☐ Temperature sensors within $\pm 2^{\circ}\text{C}$ of transfer standard?
- ☐ Pressure sensor within ± 10 mmHg of transfer standard?
- ☐ One-point flow verification within $\pm 10\%$ of Q_{Std} PUFPLUS ($0.225 \frac{\text{m}^3}{\text{min}}$)?

Maintenance Notes:

O. Saphique Thomas 6/1/2021